

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/069168 A3

(51) International Patent Classification⁷: **G06F 17/30**

(21) International Application Number:
PCT/GB2005/000074

(22) International Filing Date: 12 January 2005 (12.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0400569.0 12 January 2004 (12.01.2004) GB

(71) Applicant (for all designated States except US): **LIGHT-FOOT SOLUTIONS LIMITED** [GB/GB]: Old Estate Office, Harleyford Estate, Henley Road, Marlow, Bucks SL7 2DX (GB).

(72) Inventor: **FRANCIS, Michael**; 77 Seymour Park Road, Marlow, Buckinghamshire SL7 3ES (GB).

(74) Agent: **ROBSON, Aidan, John**; Reddie & Grose, 16 Theobalds Road, London WC1X 8PL (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

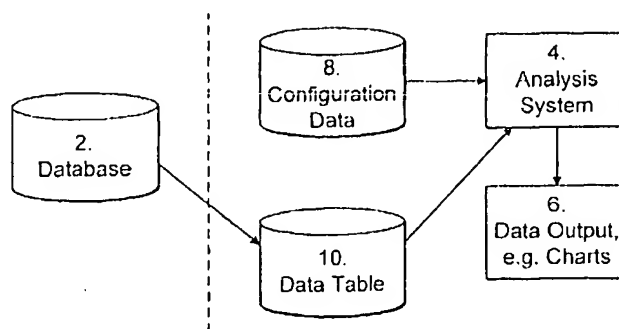
Published:

— with international search report

(88) Date of publication of the international search report:
22 December 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM AND METHOD FOR EXTRACTING USER SELECTED DATA FROM A DATABASE



(57) Abstract: A system and method are provided for extracting user selected data from a database. Configuration data is stored defining how a user selected data is to be extracted in response to a user request. A database query is generated from the user request using the configuration data and data extracted in response to the query. This extracted data is supplied to the user. The database query includes data defining to be measured and displayed and data defining any dimensions for that measure selected by the user. The data defining the measure and dimensions are a portion of the configuration data. Another aspect of the invention provides a method and apparatus for supplying a set of chart data from a database to a user in response to the user input. A number of sets of chart data are stored in a cache memory and a determination is made as to whether or not a user input corresponds to a request for a set of chart data stored in the cache memory. A set of chart data is supplied from the cache memory to the user in dependence on the result of the determination.

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INTERNATIONAL SEARCH REPORT

Application No
PCT/GB2005/000074

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX, WPI Data, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PENIX J ET AL: "Automating component integration for web-based data analysis" AEROSPACE CONFERENCE PROCEEDINGS, 2000 IEEE MARCH 18-25, 2000, PISCATAWAY, NJ, USA, IEEE, vol. 4, 18 March 2000 (2000-03-18), pages 465-473, XP010517658 ISBN: 0-7803-5846-5 page 466, left-hand column, paragraph 3 - paragraph 4 page 467, left-hand column, line 34 - page 488, left-hand column, line 17; figures 1,2</p> <p>----- -/--</p>	1-10

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

15 September 2005

Date of mailing of the international search report

28. 09. 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Polzer, A

INTERNATIONAL SEARCH REPORT

Application No

PCT/GB2005/000074

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>LUO QIONG ET AL: "Active query Caching for Database web Servers"</p> <p>THIRD INTERNATIONAL WORKSHOP ON WORLD WIDE WEB AND DATABASES' WEBDB 2000, DALLAS, TX, US, 'Online! 18 May 2000 (2000-05-18), - 19 May 2000 (2000-05-19) pages 92-104, XP002345156</p> <p>Lecture Notes in Computer Science, Vol.1997, Springer-Verlag Berlin, DE ISBN: 3-540-41826-1</p> <p>Retrieved from the Internet: URL:http://www.cs.wisc.edu/%7Esekar/publications.html> 'retrieved on 2005-09-15! page 95, paragraph 3; figure 1</p> <p>-----</p>	11-19
A	<p>ZUR MUEHLEN M ET AL: "Workflow-based process monitoring and controlling - technical and organizational issues"</p> <p>SYSTEM SCIENCES, 2000. PROCEEDINGS OF THE 33RD ANNUAL HAWAII INTERNATIONAL CONFERENCE ON JAN 4-7, 2000, PISCATAWAY, NJ, USA, IEEE, 4 January 2000 (2000-01-04), pages 1972-1981, XP010545465</p> <p>ISBN: 0-7695-0493-0</p> <p>section 5.2; figures 3-6</p> <p>-----</p>	1,6
A	<p>MUTHAIYAN R ET AL: "Statistical process control for solder deposition and yield enhancement"</p> <p>ELECTRONICS PACKAGING TECHNOLOGY CONFERENCE, 2002. 4TH 10-12 DEC. 2002, PISCATAWAY, NJ, USA, IEEE, 10 December 2002 (2002-12-10), pages 212-217, XP010635045</p> <p>ISBN: 0-7803-7435-5</p> <p>page 215; figures 9-11</p> <p>section 6.3; figures 12-13</p> <p>-----</p>	1,6
A	<p>"SPC USER INTERFACE DESIGN"</p> <p>IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 35, no. 6, 1 November 1992 (1992-11-01), pages 165-169, XP000314099</p> <p>ISSN: 0018-8689</p> <p>page 165, last line - page 166, paragraph 1; figures 1,2</p> <p>-----</p>	1,6

INTERNATIONAL SEARCH REPORT

application No.
PCT/GB2005/000074

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10

system and method for extracting user selected data from a database based on configuration data comprising measure and dimension data (see description, pages 3-11).

2. claims: 11-19

method for evaluating a database query based on cached query results (see description, pages 12-17).
